

(No Model.)

J. P. GRUBER.
Faucet Attachment.

No. 238,232.

Patented March 1, 1881.

Fig. 1.

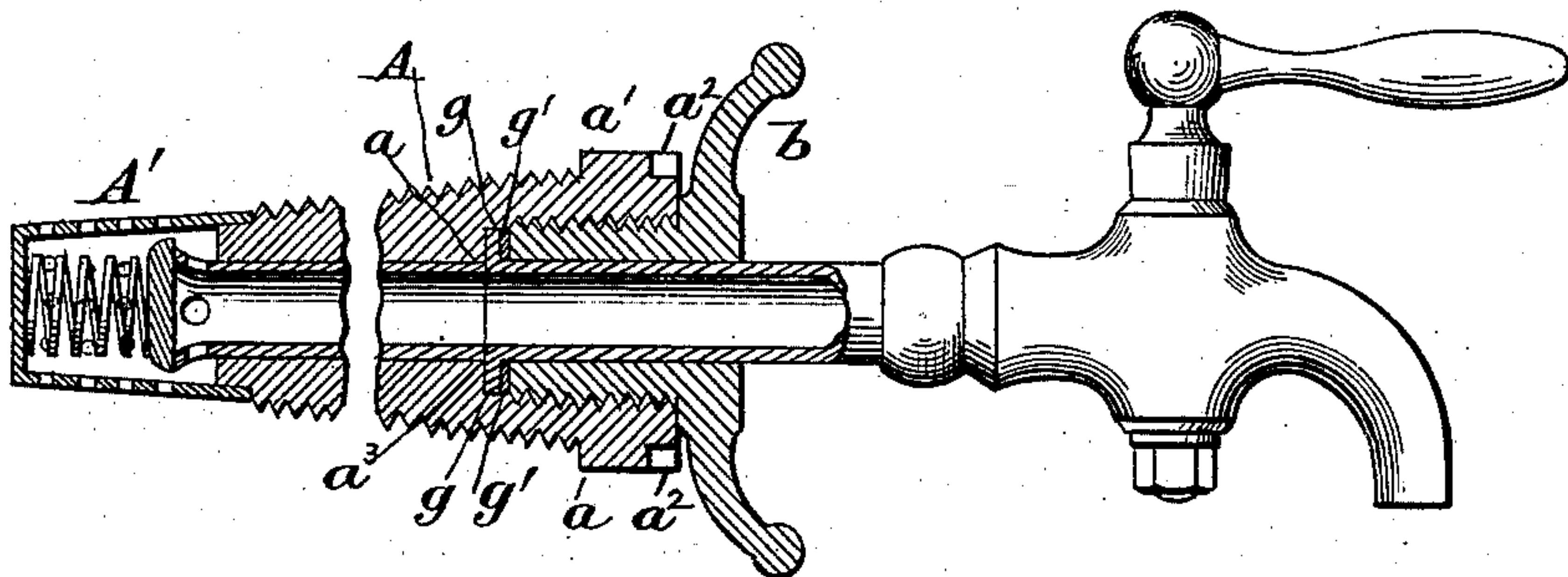


Fig. 2.

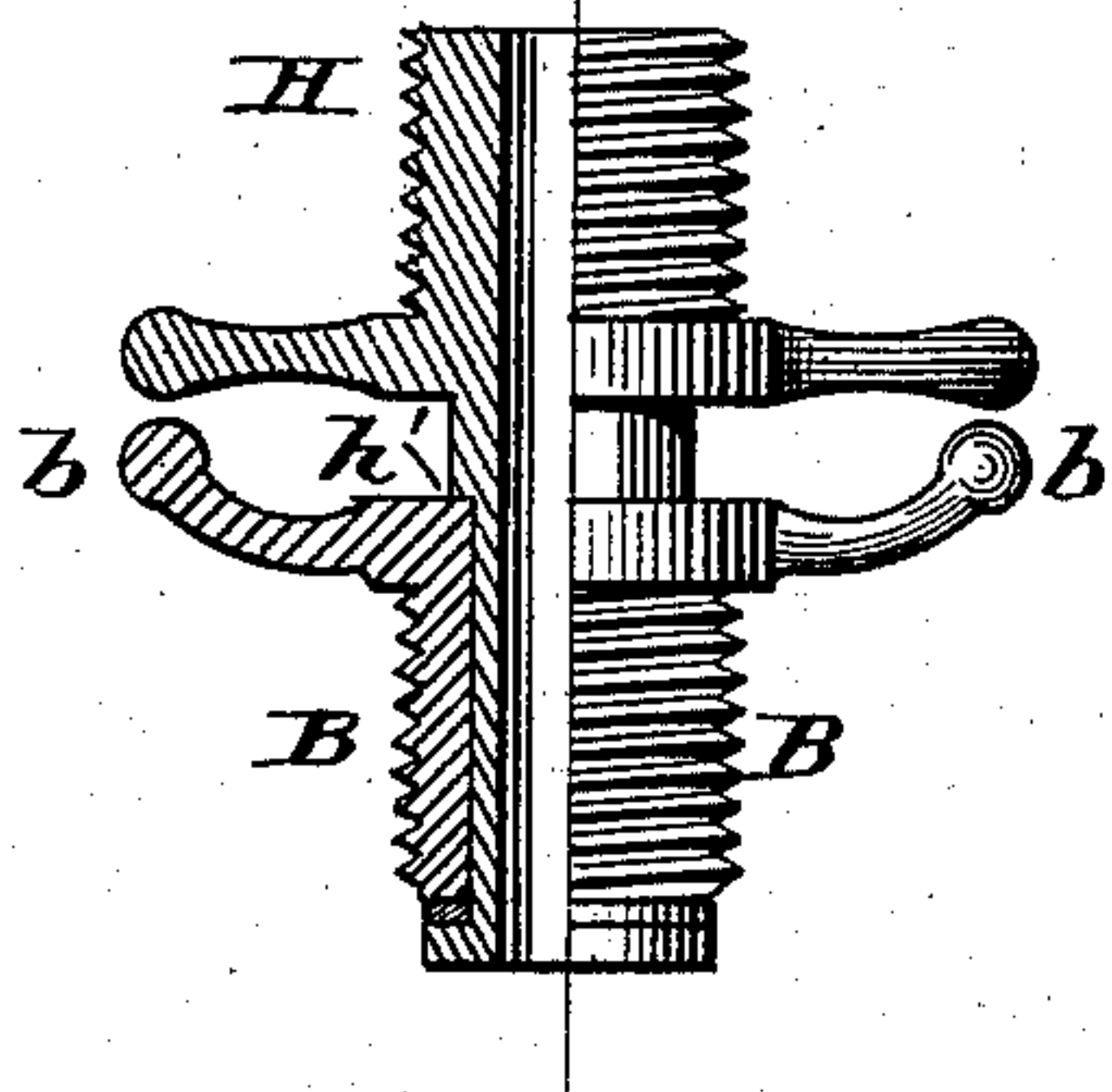
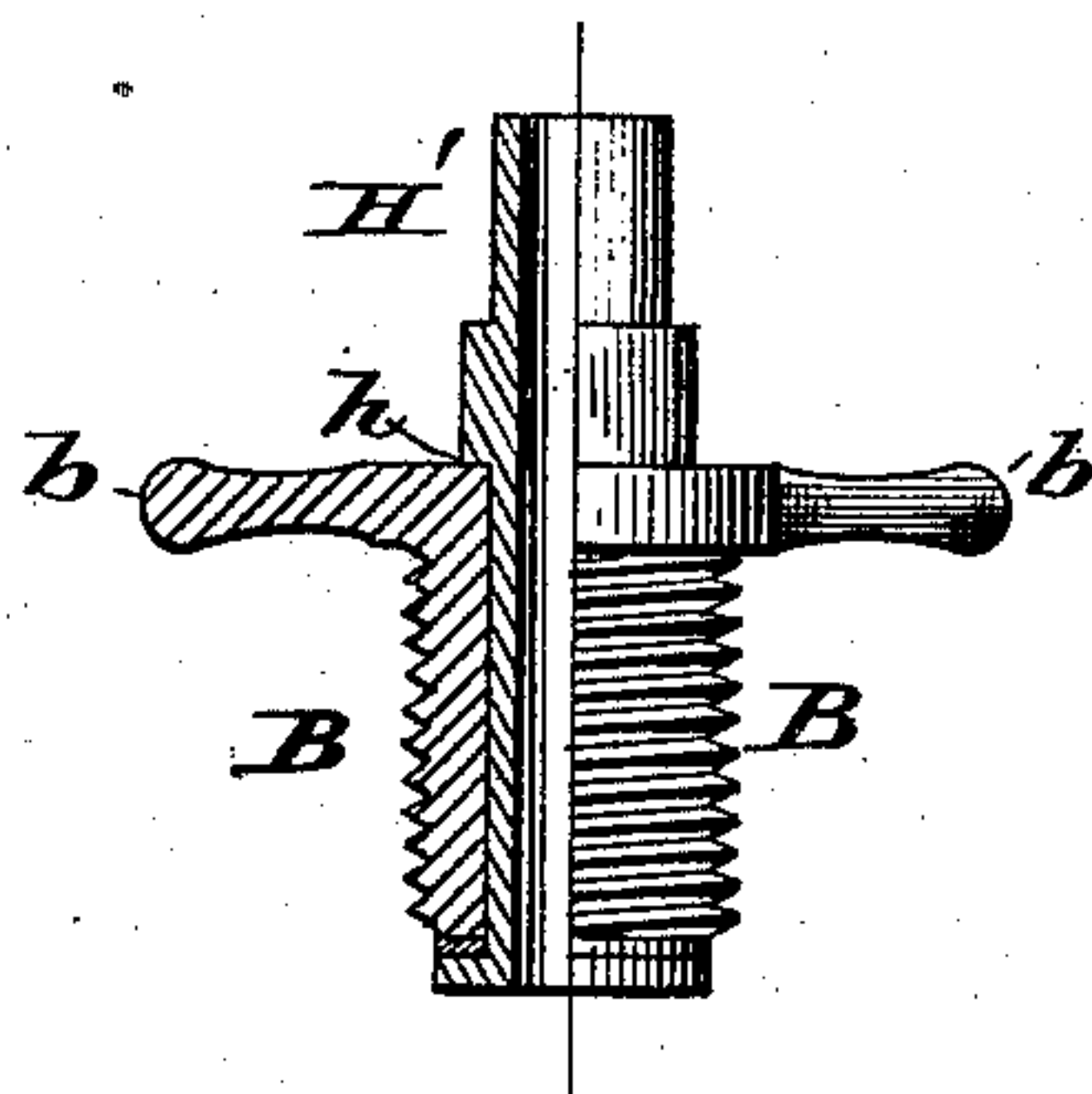


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

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FAUCET ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 238,232, dated March 1, 1881.

Application filed June 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. GRUBER, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful
5 Improvement in Faucet Attachments; and I hereby declare the following to be a full and clear description thereof, which will enable others skilled in the art to make and use my attachments.

10 This invention relates to attachments for faucets designed to be used for ale and beer barrels and for other purposes, so as to render the said faucets easily inserted into ale or beer barrels by any person, however inexperienced, and
15 also to render the said faucets capable of being inserted into the barrel without loss of the contents or of any portion of the contents thereof; and it consists in the peculiar construction of certain couplings, hereinafter described,
20 whereby the said attachments may be used for cleansing the interior of the cask when it shall have been emptied of its ale or beer.

The invention will be readily understood by reference to the accompanying drawings, of
25 which—

Figure 1 is a sectional elevation of one of the faucets with that part of the attachment which is required to connect the faucet proper with the cask or barrel. Fig. 2 is a sectional elevation of a double coupling-screw. Fig. 3 is a
30 sectional elevation of the coupling-screws with their interior or inclosed tube-couplings.

The bushing A, with its sliding valve *a*, and the perforated strainer A' are similar to corresponding parts in Patent No. 219,254, already issued to me for faucet attachments. In the present instance, as in the former patent, the periphery of the piece or bushing A is made
35 conical, and is provided with screw-threads, by means of which to screw and secure it into the wood of the cask or barrel.

The coupling piece or screw B is provided with radial arms or levers *b*, preferably curved outwardly, as in Figs. 1 and 2, for the purpose
45 of easy application of the thumb and fingers to turn the said screw or coupling into its place in the bushing-piece A, the interior of the front end of the bushing-piece and the exterior of the coupling-piece being threaded so as to
50 screw these two parts together.

The front end of the bushing-piece A is formed

into an annular collar, *a'*, which is intended to be set into the wood of the cask or barrel, so that the front end of the said bushing shall set flush with the exterior face of the wood of the
55 cask or barrel when the bushing is in place in the said cask.

The faucet G will pass concentrically through the coupling-piece B, and be secured thereby in place within and connected to the bushing
60 A, the small annular flange *g* at the inner end of the stem or connecting-tube of the faucet serving as an abutment for the base of the coupling-screw to press against, so as to draw it in tight to its seat at *a*³ on the bushing-piece. A
65 suitable packing-piece, *g'*, may be interposed between the end of the piece B and the flange *g* to make a tight connection.

In lieu of the shank of the faucet G being inserted within the annular coupling-piece B,
70 a coupling-tube, H or H', as shown respectively in Figs. 2 and 3, may be inserted therein and attached to the bushing A for other attachments—as, for instance, a hose, which
75 may be used either to fill the cask or barrel or to convey into it a stream of water for washing the interior of the said cask or barrel, in the manner presently explained.

As shown in the drawings, the coupling-pieces H and H' have projecting flanges *h* upon or adjacent to the lower ends of them, against which
80 the coupling-screw pieces B will press to assemble the parts together. In addition to these flanges *h*, there may be shoulders *h'* formed on the coupling-tubes, as shown in Figs. 2 and 3,
85 so as to hold the coupling-pieces B in place on the inclosed coupling-tube when the parts are disconnected from the cask or not in use.

The projecting flanges *g* and *h* may be secured to the ends of the tubes to which they
90 are attached, either by being screwed, soldered, or brazed thereon, or by being both screwed and soldered or brazed, or by any other suitable means.

The coupling B H (shown in Fig. 2) is intended for a coupling for a hose which is to
95 be used for a barrel-filler or barrel-cleaner.

The coupling-piece H is intended to be screwed into a hose-coupling, and is made considerably larger or smaller than the piece B,
100 which is to be screwed into the bushing A, the object in making these two coupling-pieces of

different diameters being to allow a person to work hurriedly without the liability to mistake as to the proper position of the various parts.

Having described my invention, I claim—

5 1. A coupling-tube provided with a lateral flange, *h*, at one end and with a shoulder, *h'*, at its center, in combination with a coupling-nut, *B*, turning loosely on said tube between said flange and shoulder, and provided with
10 an external screw-thread, substantially as described.

2. A coupling composed of a coupling-tube having a rigid coupling-screw, *H*, at one end and a flange, *h*, at the opposite end, the latter
15 end being provided with a loose coupling-screw, *B*, held by means of said flange, the respective

coupling-screws being of different diameters, substantially as described.

3. The combination of a coupling-tube provided with a flange, *h*, at one end and with a
20 shoulder, *h'*, at its center, a coupling-nut, *B*, turning loosely on said tube between said flange and shoulder and provided with an external screw-thread, and the bushing *A*, having an internal screw-thread adapted to receive
25 said coupling-nut and provided with a self-closing valve opened by the said tube and coupling-nut, substantially as described.

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Witnesses:

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